

Claims

- [c1] 1. An optical lens, comprising:
a barrel comprising a light incidence opening and a receiving space, wherein the receiving space is connected with the light incidence opening;
a first lens, disposed in the receiving space, wherein the first lens comprises a first outer loop and at least one protrusion, wherein the protrusion is disposed on the first outer loop, and a portion of the first lens is exposed by the light incidence opening; and
a second lens, disposed in the receiving space and lodged to the first lens, wherein the second lens comprises a second outer loop and at least one recess, wherein the recess is disposed on the second outer loop, the first outer loop is leant on the second outer loop, and the protrusion is lodged to the recess.
- [c2] 2. The optical lens of claim 1, wherein the protrusion comprises a hemispheric protrusion, the recess comprises a hemispheric recess, and the hemispheric protrusion is lodged to the hemispheric recess.
- [c3] 3. The optical lens of claim 1, wherein the protrusion comprises an annular protrusion, the recess comprises

an annular recess, and the annular protrusion is lodged to the annular recess.

- [c4] 4. The optical lens of claim 1, further comprising:
a baffle, disposed between the first lens and the second lens.
- [c5] 5. The optical lens of claim 1, further comprising:
a mount, disposed in the receiving space and leant on the second lens, wherein the mount has a light exit opening for exposing a portion of the second lens.
- [c6] 6. The optical lens of claim 5, further comprising:
an image capture component, disposed on a light path after the mount.
- [c7] 7. The optical lens of claim 6, further comprising:
a filter, disposed on a light path between the mount and the image capture component.
- [c8] 8. A lens system, comprising:
a first lens comprising a first outer loop and at least one protrusion, wherein the protrusion is disposed on the first outer loop; and
a second lens, lodged to the first lens, wherein the second lens comprising a second outer loop and at least one recess, wherein the recess is disposed on the second outer loop, the first outer loop is leant on the second

outer loop, and the protrusion is lodged to the recess.

[c9] 9. The lens system of claim 8, wherein the protrusion comprises a hemispheric protrusion, the recess comprises a hemispheric recess, and the hemispheric protrusion is lodged to the hemispheric recess.

[c10] 10. The lens system of claim 8, wherein the protrusion comprises an annular protrusion, the recess comprises an annular recess, and the annular protrusion is lodged to the annular recess.